

10/069378

JC10 Rec'd PCT/PTO 25 FEB 2002

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Olivier PARRAULT

Serial Number: New Patent Application

Filed: February 25, 2002

For: CONTACT-FREE PORTABLE OBJECT COMPRISING ONE OR
SEVERAL CONTACT-FREE PERIPHERAL DEVICES

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

February 25, 2002

Please amend this application, prior to calculation of the
filing fee, as follows:

IN THE SPECIFICATION:

Page 1, between the title and the first heading, please insert
the following:

This application is a U.S. National Stage of International
Application PCT/FR01/02011, filed June 26, 2001 and published on
January 3, 2002 in the French Language.

IN THE CLAIMS:

Please cancel claims 1-14 without prejudice or disclaimer.

Please add new claims 15-28 as follows:

15. (New) A contactless portable object comprising a main chip and
a main antenna enabling communication between said chip and a
reader associated with said contactless portable object,

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said portable contactless object further comprising at least one contactless peripheral device, having a function different than that of the main chip, not connected by ohmic contact to the latter and requiring only a small amount of energy to operate.

16. (New) The portable object of claim 15, wherein said peripheral device includes a means for receiving energy and data.

17. (New) The portable object of claim 16, wherein said means for receiving energy and data is a flat coil.

18. (New) The portable object of claim 17, wherein said flat coil functions as a transformer secondary, the primary of which is formed by said main antenna, when the latter receives energy and data from a reader of said portable object through electromagnetic coupling.

19. (New) The portable object of claim 18, wherein the energy and said data transmitted by said main antenna are generated by said portable object reader.

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20. (New) The portable object of claim 18, wherein said data transmitted by said main antenna are generated by the main chip of said portable object.

21. (New) The portable object of claim 15, wherein said peripheral device includes a tuning capacitor enabling said device to be coupled to a reader.

22. (New) The portable object of claim 21, wherein the coupling of the device is obtained by combining tuning capacitors of said device and that of said main chip.

23. (New) The portable object of claim 15, wherein said contactless peripheral device is a display device.

24. (New) The portable object of claim 15, wherein said contactless peripheral device is a secondary chip.

25. (New) The portable object of claim 15, wherein said contactless peripheral device is a keyboard.

26. (New) The portable device of claim 15, wherein said peripheral device can send a response to said portable object reader by using

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retromodulation, through said flat coil, coupled to the main antenna of said portable object.

27. (New) The portable object of claim 15, wherein said peripheral device is built into said portable object, said flat coil being in the same plane as said main antenna of said portable object.

28. (New) The portable object of claim 15, wherein said peripheral device can be removed from said portable object.

IN THE ABSTRACT:

Please replace the original abstract with the attached Substitute Abstract.

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REMARKS

This Preliminary Amendment cancels claims 1-14, adds new claims 15-28, amends the specification and presents a new Abstract. The amendment to the specification inserts a reference to parent application PCT/FR01/02011 pursuant to 37 C.F.R. § 1.78. New claims 15-28 correspond to original claims 1-14, and have been written to avoid multiple dependencies and by otherwise conforming the claims to U.S. practice. The Substitute Abstract is based on the PCT Abstract. A version with markings to show changes made is attached as an Appendix. Claims 15-28 are pending.

An Information Disclosure Statement and a Recordation Form Cover Sheet are attached.

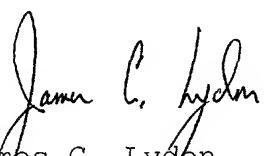
It is not believed that any fee is required for entry and consideration of this Preliminary Amendment. Nevertheless, the Commissioner is authorized to charge our Deposit Account No. 50-1258 in the amount of any such required fee.

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Prompt and favorable examination of the application are earnestly requested.

Respectfully submitted,


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Enclosures:

Appendix
Substitute Abstract of the Disclosure
Information Disclosure Statement
Recordation Form Cover Sheet

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APPENDIX

Version With Markings to Show Changes Made

IN THE SPECIFICATION:

The paragraph inserted between the title and the first heading on page 1 is new.

IN THE CLAIMS:

Claims 1-14 have been canceled.

Claims 15-28 are new.

IN THE ABSTRACT:

The Substitute Abstract is new.

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ABSTRACT OF THE DISCLOSURE:

A portable contactless object (10) featuring a main chip (12) and a main antenna (14) enabling communication between the chip and the reader associated with the portable contactless object. This portable contactless object also features at least one contactless peripheral device (16), having a function different than that of the main chip not connected by ohmic contact to the latter and requiring only a small amount of energy to operate.

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